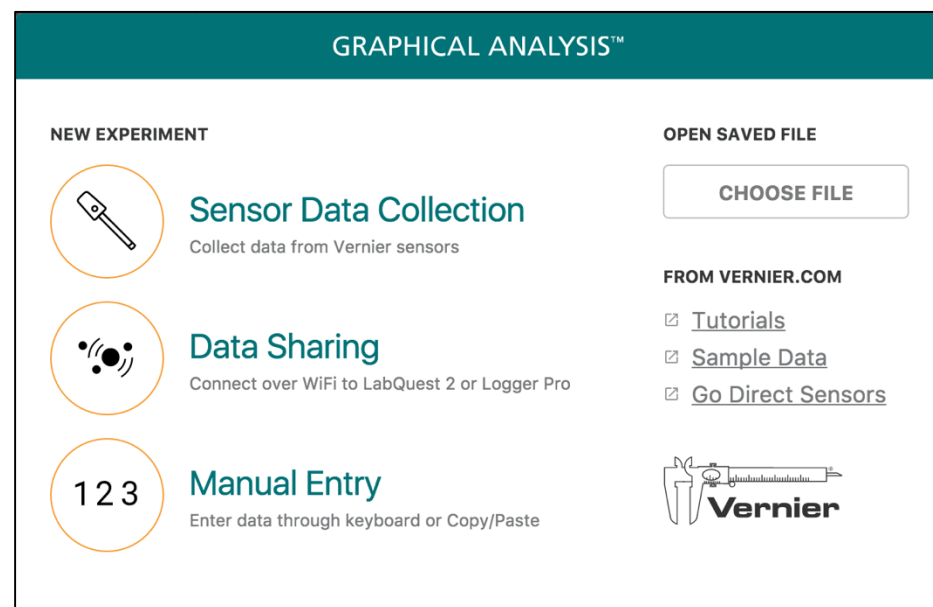


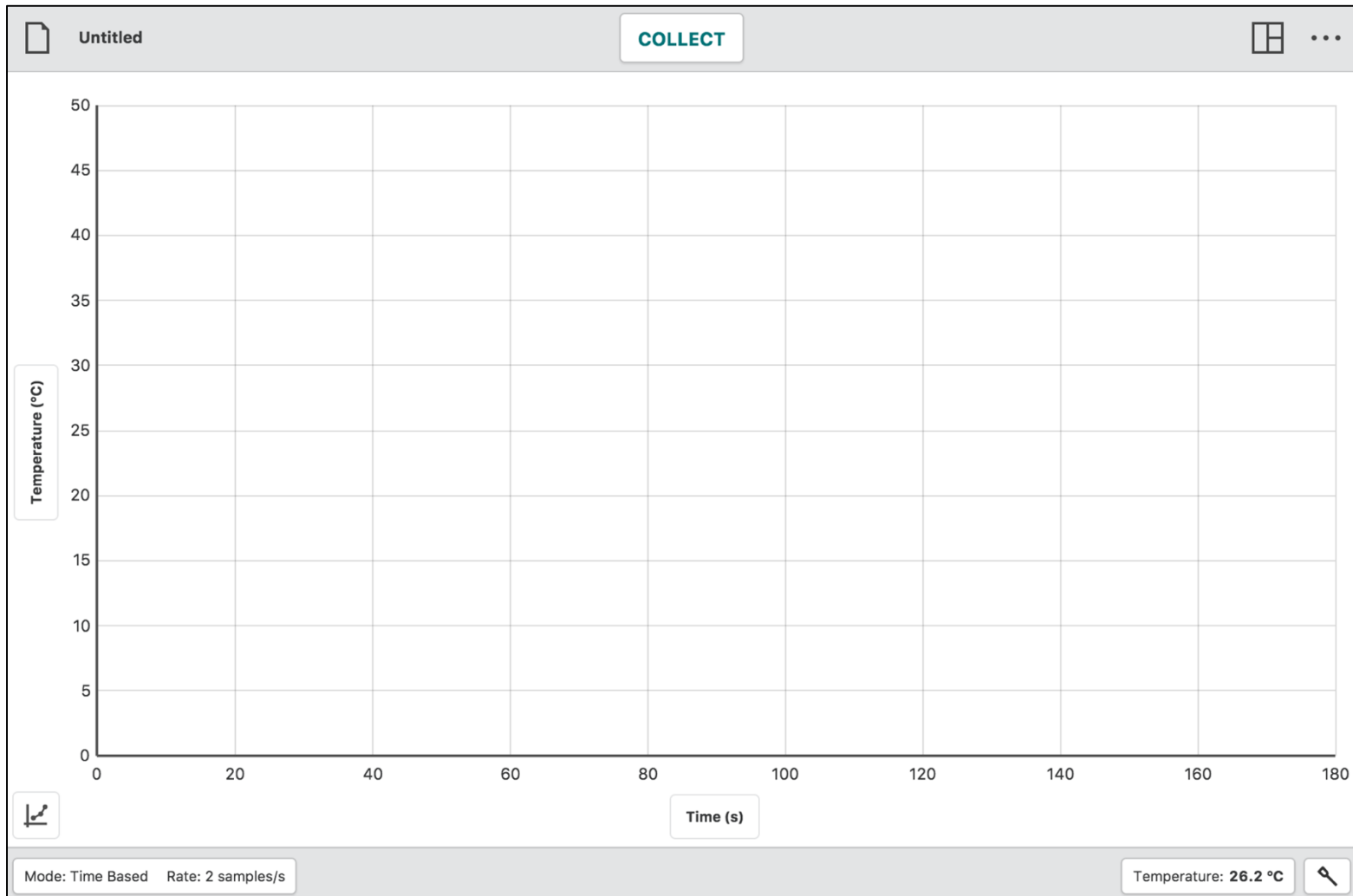
Graphical Analysis 4 Primer

As GA boots up, a **Graphical Analysis** dialog box will ask if you want to start a new experiment or open a saved file. This dialog will also appear when the box in the upper left corner is clicked from the graph screen.

Data can be collected via a USB connection or via Data Sharing using a LabQuest 2 or computer running Logger Pro (A LQ 2 can send data to multiple Chromebooks). The Chromebook and other device must be on the same wireless network and the devices configured for Data Sharing. Manual Entry allows you to input your own data.



The graphic on the following page shows the Graph Screen when a USB connection is used and a temperature probe is connected. Note the icons in each of the corners.



Each time you hit the **Collect** button, a new data set will run. Click on the label on the y-axis to select which data sets are displayed. Check and uncheck boxes to display various data sets.

If you click the Mode box in the lower left corner, a **Data Collection Settings** dialog box will appear. The data collection mode can be set as well as the data collection rate.

If you click the graph icon in the lower left corner, a dialog box will appear. This has analysis tools such as statistics and curve fits and will allow you to add annotations, predictions etc. If you click the **Edit Graph Options** box, a **Graph Options** dialog box will appear which will allow you to edit graph options.

Interpolate

View Statistics

Apply Curve Fit

Add Annotation

Add Prediction

Edit Graph Options

GRAPH OPTIONS

Title

Add a graph title here

Appearance

Points Lines Both

x-axis

0

 to

180

Left Right

y-axis

0

 to

50

Bottom Top

Data Collection Settings

Mode Time Based

Time Units s

Rate 2 samples/s

Interval 0.5 s/sample

Start Collection Manually On a triggering event

End Collection After 180 s duration Manually

Total samples: 361

CANCEL DONE

If you click the box icon in the upper right, a dialog box will allow you to select what is displayed. Graph, table etc.

If you click the boxes in the lower right, dialog boxes will give you options and information on the sensor connected. The three dots icon in the upper right opens a dialog box with additional options.

